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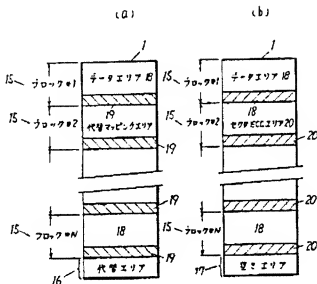
APPLICATION DATE : 24-12-86
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

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TITLE : OPTICAL INFORMATION RECORDING AND REPRODUCING DEVICE



ABSTRACT : PURPOSE: To improve the reliability of data reproduction for both a recording type optical disk and a reproduction only optical disk by adopting unifiedly the same track allocation for the handling of a defective sector of an optical disk.

CONSTITUTION: The type of an optical disk 1 is identified, and in case of the recording type optical disk as shown in figure (a), a spare area is used as an alternative sector 16 and a defective sector detected by a defect sector detecting means is substituted into the alternative sector 16 by a sector substituting means. In case of the reproduction only type optical disk as shown in figure (b), the spare area is used as a check sector recorded with a 2nd coded data in advance and if error correction disable state takes place by means of a 1st error control means at the reproduction of the sector for a data area 18 takes place, a 2nd error control means uses the check sector corresponding to the error sector to apply error correction. Since the same track location is applied unifiedly to handle a defective sector of both types of disks, the reliability of data recording/reproduction is improved for both the recording type optical disk and the reproduction only type optical disk.

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